

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

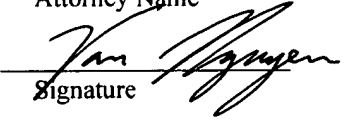
Applicant: Wang et al. Customer No. : 21003
Serial No.: 10/644,639 Examiner : Ulm, John D.
Filing Date: August 20, 2003 Group Art Unit: 1649
For: HELIOTHIS GLUTAMATE RECEPTOR

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

I hereby certify that this paper is being deposited with the United States
Postal Service as First-Class mail in an envelope addressed to:
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:

June 16, 2006
Date of Deposit

Van Hoang Nguyen
Attorney Name


Signature

56,571
PTO Registration No.

June 16, 2006
Date of Signature

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

66/21/2006 BABRAHA1 00000027 10644639
02 FC:1006 100.00 0P

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicants respectfully request that the
publications relating to the above-mentioned application listed herein and on the accompanying
PTO Form 1449 be considered by the Examiner and made of record in the U.S. Patent and
Trademark Office.

1. Smith, McHardy M. et al. "Nodulisporic acid opens insect glutamate-gated chloride
channels: Identification of a new high affinity modulator." Biochemistry. vol. 39, no. 18,
May 9, 2000 (2000-5-9), pages 5543-5554.

2. International Patent No. WO 98/49185, issued, November 5, 1998, by FMC Corporation, for "Lipidopteran Gaba-Gated Chloride Channels."
3. International Patent No. WO 99/07828, issued February 18, 1999, by Merck & Co., Inc., for "DNA Molecules Encoding Ctenocephalides Felis Glutamate Gates Chloride Channels."
4. Delany et al., 1998, Cloning and Localisation of an Avermectin Receptor-Related Subunit from *Haemonchus contortus*. *Mol. Biochem. Parasit.* (97): 177-187.
5. U.S. Patent No. 5,693,492, issued December 2, 1997, by Cully et al., for "DNA Encoding Glutamate Gated Chloride Channels."
6. Pomes, A. et al., "Target size analysis of an avermectin binding site from *Drosophila melanogaster*." *Biochimica et Biophysica Acta. Protein Structure and Molecular Enzymology*, Elsevier, Amsterdam, NL, vol. 1339, no. 2, 23 May 1997, pages 233-238.
7. Cully et al., 1996, Identification of a *Drosophila melanogaster* Glutamate-gated Chloride Channel Sensitive to the Antiparasitic Agent Avermectin. *J.Biol. Chem.* (271) 20187-20191.
8. U.S. Patent No. 5,527,703, issued June 18, 1996, by Cully et al., for "DNA Encoding Glutamate Gated Chloride Channels."
9. Yu, S. J. et al., "Insecticide susceptibility and detoxification enzyme activities in permethrin-selected diamondback moths." *Pesticide Biochemistry and Physiology*, vol. 56, no. 1, 1996, pages 69-77.
10. Cully et al., 1994, Cloning of an Avermectin-Sensitive Glutamate-Gated Chloride Channel from *Caenorhabditis elegans*. *Nature* (371): 707-711.
11. Mikayama et al., 1993, Molecular Cloning and Functional Expression of a cDNA Encoding Glycosylation-Inhibiting Factor. *Proc. Natl. Acad. Sci. USA* (90): 10056-10060.
12. Arena et al., 1992, Expression of a Glutamate-Activated Chloride Current in *Xenopus* Oocytes Injected with *Caenorhabditis elegans* RNA: Evidence for Modulation by Avermectin. *Molecular Brain Research* (15): 339-348.

13. Arena et al., 1991, Avertectin-Sensitive Chloride Currents Induced by *Caenorhabditis elegans* RNA in *Xenopus* Oocytes. *Molecular Pharm.* (40): 368-374.
14. Voet et al., 1990. Biochemistry. John Wiley & Sons, Inc. pp. 126-128; 228-234.

The references listed herein and on the accompanying Form PTO 1449 were either cited by the Examiner or previously submitted in parent application U.S. Serial No. 09/969,844, filed December 23, 2005. Pursuant to 37 C.F.R. § 1.98(d), the references are not required if the earlier application is identified and relied upon for an effective filing date under 35 U.S.C. § 120 and therefore are not enclosed herewith.

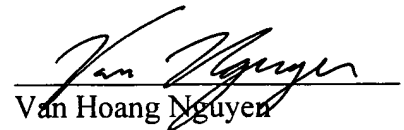
This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents is material or constitutes "prior art." If the Examiner applies the documents as prior art against any claim in the application and the applicant determines that the cited documents do not constitute "prior art" under United States law, the applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of the documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claim of the present application.

Applicants have enclosed a required fee of \$180. If any additional fee is due, or if any overpayment has been made, the Commissioner is authorized to charge any such fee or credit any overpayment, to our Deposit Account No. 02-4377.

Respectfully submitted,

BAKER BOTTS L.L.P.

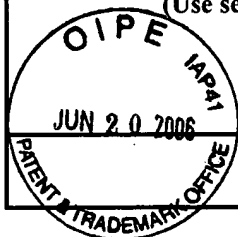

Van Hoang Nguyen
Patent Office Reg. No. 56,571

Lisa Kole
Patent Office Reg. No. 35,225

Attorneys for Applicants
(212) 408-2500

Enclosures

Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. 072667.0190	Serial No. 10/644639
	Applicant Wang et al.	
	Filing Date 08/20/2003	Group 1649
	Examiner Ulm, John D.	



U.S. PATENT DOCUMENTS

Exam. Initial.	No.	Document No.	Issue/Publication Date	Applicant(s)
	8.	5,527,703	06/18/1996	Cully et al.
	5.	5,693,492	12/02/1997	Cully et al.

FOREIGN PATENT DOCUMENTS

Exam Initial	RefNo	Document No.	Date	Country	Class	Subclass	<u>Translation</u> Yes No	
	2.	WO 98/49185	11/05/1998	International				
	3.	WO 99/07828	02/18/1999	International				

NY02:550900.1	
Examiner	Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. 072667.0190	Serial No. 10/644639
	Applicant Wang et al.	
	Filing Date 08/20/2003	Group 1649
	Examiner Ulm, John D.	

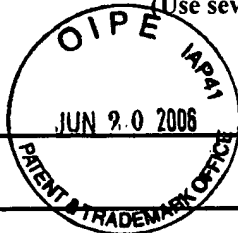


OTHER DOCUMENTS

Exam Initial	No.	(including Author, Title, Date, Pertinent Pages, Etc.)
	1.	Smith, McHardy M. et al., May 9, 2000, <i>Nodulisporic acid opens insect glutamate-gated chloride channels: Identification of a new high affinity modulator</i> . Biochemistry. (vol. 39, no. 18): pages 5543-5554.
	4.	Delany et al., 1998, <i>Cloning and Localisation of an Avermectin Receptor-Related Subunit from Haemonchus contortus</i> . Mol. Biochem. Parasit. (97): 177-187.
	6.	Pomes, A. et al., May 23, 1997, <i>Target Size Analysis of an Avermectin Binding Site from Drosophila Melnogaster</i> . Biochimica et Biophysica Acta. Protein Structure and Molecular Enzymology. (vol. 1339, no. 2): 233-238.
	9.	Yu, S. J. et al., 1996, <i>Insecticide Susceptibility and Detoxification Enzyme Activities in Permethrin-selected Diamondback Moths</i> . Pesticide Biochemistry and Physiology. (vol. 56, no. 1): 69-77.
	7.	Cully et al., 1996, <i>Identification of a Drosophila melanogaster Glutamate-gated Chloride Channel Sensitive to the Antiparasitic Agent Avermectin</i> . J.Biol. Chem. (271): 20187-20191.
	10.	Cully et al., 1994, <i>Cloning of an Avermectin-Sensitive Glutamate-Gated Chloride Channel from Caenorhabditis elegans</i> . Nature (371): 707-711.
	11.	Mikayama et al., 1993, <i>Molecular Cloning and Functional Expression of a cDNA Encoding Glycosylation-Inhibiting Factor</i> . Proc. Natl. Acad. Sci. USA (90): 10056-10060.
	12.	Arena et al., 1992, <i>Expression of a Glutamate-Activated Chloride Current in Xenopus Oocytes Injected with Caenorhabditis elegans RNA: Evidence for Modulation by Avermectin</i> . Molecular Brain Research (15): 339-348.

NY02:550900.1	
Examiner	Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office	Atty. Docket No. 072667.0190	Serial No. 10/644639
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant Wang et al.	
	Filing Date 08/20/2003	Group 1649
	Examiner Ulm, John D.	
		

Exam Initial	No.	(including Author, Title, Date, Pertinent Pages, Etc.)
	13.	Arena et al., 1991, <i>Avermectin-Sensitive Chloride Currents Induced by Caenorhabditis Elegans RNA in Xenopus Oocytes</i> . Molecular Pharm. (40): 368-374.
	14.	Voet et al., 1990, <i>Biochemistry</i> . John Wiley & Sons, Inc. pp. 126-128; 228-234.

NY02:550900.1	
Examiner	Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.